

ABSTRACT OF DISCLOSURE

The invention relates to a reaction vessel (1) for producing a sample, in particular a crystal, from a substance in solution or in liquid form, having several reaction chambers (6) each forming a separate gas chamber, consisting of at least one housing part, and each reaction chamber (6) has a reservoir (7) and several reaction areas (8) co-operating therewith, connected to one another and to the reservoir (7) in order to exchange gas. The reservoirs and the reaction areas co-operating with them are disposed immediately adjacent to one another in rows, distributed in a predeterminable, identical manner, these rows running parallel with one another. Each row of reservoirs (7) therefore co-operates with at least one row of reaction areas (8).

(Fig. 9)

List of Reference Numbers

1. Reaction vessel
2. Vessel bottom part
3. Vessel top part
4. Vessel floor
5. Vessel wall
6. Reaction chamber
7. Reservoir
8. Reaction area
- 9.
- 10.
11. Height
12. Wall
13. Standing plane
14. Sealing layer
15. Reaction area
16. Arrow
17. Mask
- 18.
19. Housing bottom part
20. Frame

21. Edge
22. Top face
23. Underside
24. Row width
25. Vessel cover
26. Frame
27. Edge
28. Underside
29. Groove
- 30.
31. Agent
32. Reaction solution
33. Microscope